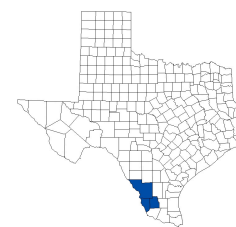


Texas Cardiovascular Health & Wellness Program

Texas Department of State Health Services



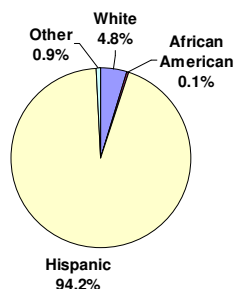
Stroke Facts

Texas Trauma Service Area (TSA) T

Updated July 2009

<http://www.dshs.state.tx.us/wellness/data.shtm>

Demography of TSA T in 2007 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	91,664	46,282	45,382	34.8
18-29	52,441	26,696	25,745	19.9
30-34	54,692	26,618	28,074	20.8
35-64	44,562	21,186	23,376	16.9
65+	19,962	8,211	11,751	7.6
Total	263,321	128,993	134,328	100.0

Prevalence¹ (%) of Stroke, Adults (18+ years), 2005 - 2008

Stroke Age-Adjusted Mortality Rates² per 100,000, 2001- 2006

	TSA T	Texas	TSA T	Texas	TSA T Age <65	TSA T Age 65+
Total	0.6	2.7	61.2	57.4	6.9	414.0
Male	0.7	2.3	56.8	53.8	7.3	347.9
Female	0.5	3.0	63.3	59.1	6.5	461.4
White	0.0	2.9	58.7	56.2	6.3	421.7
African American	*	4.3	89.7	85.2	15.7	515.2
Hispanic	0.6	1.9	47.5	47.4	3.6	265.6

Hospital Discharge Data³ for Stroke, Texas, 2007

	Total		Age < 65		Age 65+	
	TSA T	Texas	TSA T	Texas	TSA T	Texas
Number of Discharges	642	51,249	226	18,332	416	32,917
Ischemic	531	42,343	168	14,064	363	28,279
Hemorrhagic	111	8,906	58	4,268	53	4,638
Total Charges	\$25,062,499	\$2,111,291,385	\$9,089,460	\$927,437,750	\$15,973,039	\$1,183,853,635
Ischemic	\$20,203,751	\$1,467,565,641	\$6,217,664	\$532,312,708	\$13,986,087	\$935,252,932
Hemorrhagic	\$4,858,748	\$643,725,744	\$2,871,796	\$395,125,041	\$1,986,952	\$248,600,703

Texas EMS/Trauma Registry Data⁴ for TSA T by Time (Min), 2007

	TSA T	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	5.4	9.1
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	15.0	18.1
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	15.5	14.3
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	35.9	40.2

¹ Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed as having had a stroke. 2005, 2006, 2007, and 2008

² Texas Department of State Health Services Vital Statistics Unit. Mortality due to stroke (ICD-10 Code I60-I69). Age adjusted to the US 2000 census population. 2001-2006

³ Texas Health Care Information Council, Inpatient Hospital Discharge Public Use Data File, for persons all ages. Stroke (ICD-9 Code 430-432, 436-438, 433, 434). 2001-2006

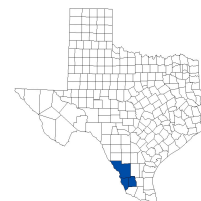
⁴ Texas EMS/Trauma Registry. The selection criteria are:

- Calls received during 2007
- Suspected illness types defined as stroke/CVA
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

* Unable to calculate due to small sample size (< 50 respondents).

Texas Cardiovascular Health & Wellness Program

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Stroke Facts

Texas Trauma Service Area (TSA) T

Stroke Risk Factors¹, Texas, 2005, 2006, 2007, 2008

Diabetes	TSA T	Texas	High Blood Cholesterol (2005 & 2007)	TSA T	Texas
Total	11.4	9.0	Total	32.2	36.4
Male	9.3	8.8	Male	29.2	37.0
Female	13.0	9.2	Female	36.3	35.8
White	31.9	8.0	White	*	38.2
African American	*	12.4	African American	*	32.1
Hispanic	10.8	10.0	Hispanic	35.3	33.4
Current Smoker	TSA T	Texas	High Blood Pressure (2005 & 2007)	TSA T	Texas
Total	20.6	18.9	Total	21.4	26.1
Male	34.0	22.0	Male	22.2	25.9
Female	11.2	16.0	Female	20.7	26.3
White	3.6	19.7	White	30.2	28.5
African American	*	22.6	African American	*	38.5
Hispanic	20.8	16.7	Hispanic	19.8	19.2
Obesity² (BMI≥30)	TSA T	Texas	No Leisure Time Physical Activity³	TSA T	Texas
Total	30.7	27.7	Total	28.6	28.2
Male	21.8	28.1	Male	19.4	25.4
Female	37.8	27.3	Female	35.3	30.8
White	39.6	24.7	White	18.9	23.6
African American	*	38.1	African American	*	32.8
Hispanic	30.6	31.8	Hispanic	28.4	35.5

Recognition of Stroke Symptoms¹, 2005

Stroke Symptoms	% of Respondents Recognizing Symptoms	
	TSA T	Texas
Sudden confusion or trouble speaking	*	76.3
Sudden numbness or weakness of face, arms, legs (especially on one side)	*	86.5
Sudden trouble seeing in one or both eyes	*	61.6
Sudden trouble walking, dizziness, or loss of balance	*	78.2
Severe headache with no known cause	*	57.4
Recognizes all stroke symptoms	*	17.0
Would call 911 as a first response if Heart Attack OR Stroke is suspected	*	85.1

¹ Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed with high blood pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high blood cholesterol; Respondents 18 years and older who report that they have been diagnosed with diabetes. Does not include gestational diabetes. 2005, 2006, 2007 and 2008

² Obese > 95th Percentile for BMI by Age/Sex: <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

³ Physical activity recommendation- percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

* Unable to calculate due to small sample size (< 50 respondents).